

Northern Power Systems Brings Advanced Hybrid Energy Technology to Asia

NPS Wind Turbines and Microgrid Expertise Help Power South Korean Island

PRESS RELEASE

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Barre, VT USA (30 October 2014) – Northern Power Systems (www.northernpower.com) (TSX: NPS) has commissioned four of its NPS 100 wind turbines in South Korea’s newest and most advanced hybrid energy project, while working in close collaboration with the national grid operator Korean Electric Power Corporation (KEPCO), to ensure effective delivery of this hybrid microgrid. The 100kW turbines are the largest component of energy generation in what’s known as a “high-penetration” wind-diesel hybrid system with solar

and storage. Power is now delivered to remote island residents with an integrated, reliable wind/solar/storage supply for as low as \$.25 per kWh, representing substantial savings over the previous diesel-only energy solution.

The NPS 100-21 was chosen due to its superior energy production, its compatibility with multiple generation technologies, a proven history of operating in hybrid microgrids, and its ability to withstand typhoons that regularly affect the region. The distributed wind turbines were supplied and installed in cooperation with Haebaram Energy.

The installation also features a KEPCO developed Energy Management System (EMS), 314 kW array of solar photovoltaic (PV) panels and a 3 MWh Hyosung battery storage facility. The site provides enough power to supply more than 160 homes, a water treatment plant, a lighthouse and radar station on the island.

The project is the cornerstone of an initiative to transform the islands around the Korean peninsula into renewable power communities, no longer dependent on fossil fuel and government subsidies. The

microgrid and full inverter were designed by KEPCO which plans to install similar systems on additional local islands.

Northern Power Systems is now offering throughout Asia both its next generation distributed wind turbine, featuring state-of-the-art blade technology and a variety of hub heights, as well as proven capabilities to effectively deliver reliable power generation in a variety of environmental conditions.

Troy Patton, CEO and President of Northern Power Systems, said “We are excited to be bringing our solutions to Asian markets. We have been helping to deliver stable energy solutions to hybrid microgrids for over 10 years in North America. During this time we have proven that we can provide a significantly lower cost of energy that leverages local natural resources.”

About Northern Power Systems

Northern Power Systems designs, manufactures, and sells wind turbines, and provides engineering development services and technology licenses for energy applications, into the global marketplace from its US headquarters and European offices.

- Northern Power Systems has almost 40 years’ experience in technologies and products generating renewable energy.
- Northern Power Systems currently manufactures the NPS™ 60 and NPS™ 100 turbines. With over 5 million run time hours across its global fleet, Northern Power wind turbines provide customers with clean, cost effective, reliable renewable energy.
- Patented next generation permanent magnet/direct drive (PM/DD) technology uses fewer moving parts, delivers higher energy capture, and provides increased reliability due to reduced maintenance and downtime.
- Northern Power Systems offers comprehensive in-house development services, including systems level engineering, advanced drivetrains, power electronics, PM machine design, and remote monitoring systems to the energy industry.
- Some of the world’s largest manufacturers license NPS next generation technology and intellectual property for their utility and distributed wind products and markets.

To learn more about Northern Power Systems, please visit www.northernpower.com.

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This press release includes forward-looking statements regarding Northern Power Systems and its business, which may include, but are not limited to, statements with respect to continuing expansion in the markets in which Northern Power Systems sells its products, product performance, competition, execution of the company’s growth strategy and other factors. Often, but not always, forward-looking statements can be identified by the use of words such as “plans”, “is expected”, “expects”, “scheduled”, “intends”, “contemplates”, “anticipates”, “believes”, “proposes” or variations (including negative variations) of such words and phrases, or state that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved. Such statements are based on the current expectations of the management of Northern Power Systems. Although management of Northern Power Systems believes that the assumptions underlying these statements are reasonable, they may prove to be incorrect. The forward-looking events and circumstances discussed in this release may not occur by certain specified dates or at all and could differ

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